

Translation

PATENT COOPERATION TREATY

PCT/FR2004/001014



PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY
(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference B 3706	FOR FURTHER ACTION See Form PCT/IPEA/416	
International application No. PCT/FR2004/001014	International filing date (day/month/year) 27 avril 2004 (27.04.2004)	Priority date (day/month/year) 29 avril 2003 (29.04.2003)
International Patent Classification (IPC) or national classification and IPC B60K 1/04		
Applicant R&D INDUSTRIES		

1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 5 sheets, including this cover sheet.
3. This report is also accompanied by ANNEXES, comprising:
 - a. ☒ (sent to the applicant and to the International Bureau) a total of 4 sheets, as follows:
 - ☐ sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).
 - ☐ sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.
 - b. ☐ (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).

4. This report contains indications relating to the following items:

- | | |
|---|---|
| <input checked="" type="checkbox"/> Box No. I | Basis of the report |
| <input type="checkbox"/> Box No. II | Priority |
| <input type="checkbox"/> Box No. III | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability |
| <input type="checkbox"/> Box No. IV | Lack of unity of invention |
| <input checked="" type="checkbox"/> Box No. V | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |
| <input type="checkbox"/> Box No. VI | Certain documents cited |
| <input type="checkbox"/> Box No. VII | Certain defects in the international application |
| <input type="checkbox"/> Box No. VIII | Certain observations on the international application |

Date of submission of the demand 25 February 2005 (25.02.2005)	Date of completion of this report 16 August 2005 (16.08.2005)
Name and mailing address of the IPEA/EP	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/FR2004/001014

Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.

- ☐ This report is based on translations from the original language into the following language _____, which is language of a translation furnished for the purpose of:
- ☐ international search (under Rules 12.3 and 23.1(b))
 - ☐ publication of the international application (under Rule 12.4)
 - ☐ international preliminary examination (under Rules 55.2 and/or 55.3)

2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):

- ☐ The international application as originally filed/furnished
- ☒ the description:
- pages _____ 1-13 _____, as originally filed/furnished
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☒ the claims:
- pages _____
- pages* _____, as originally filed/furnished
- pages* _____, as amended (together with any statement) under Article 19
- pages* 1-20 received by this Authority on 25 February 2005 (25.02.2005)
- pages* _____ received by this Authority on _____
- ☒ the drawings:
- pages _____ 1/8-8/8 _____, as originally filed/furnished
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____

☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.

3. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (specify): _____
- ☐ any table(s) related to sequence listing (specify): _____

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (specify): _____
- ☐ any table(s) related to sequence listing (specify): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/FR2004/001014

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-20	YES
	Claims		NO
Inventive step (IS)	Claims	1-20	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-20	YES
	Claims		NO

2. Citations and explanations (Rule 70.7)

1. The cited documents do not contain all of the features in the independent claim. It follows that the subject matter of the claim is novel.
2. Document DE A 4105246 (D1), which is considered to be the closest prior art, describes an electrically powered self-contained vehicle requiring a heavy and/or large batteries to supply power thereto, which batteries are supported by a separate frame insertable into a housing provided under the vehicle chassis, wherein connection means are provided between the battery frame and the vehicle chassis, said connection means include locking means operable between the battery frame and the vehicle chassis, as well as an interface on the battery frame side and an interface on the vehicle chassis side including power and/or instruction and/or data transmission sockets.
3. The problem to be solved can thus be considered to be the tilting of the vehicle chassis relative to the trailer when going around a bend, with the result that strong forces are exerted on the

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Box No. V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

transverse trailer guide device.

4. This problem is solved by the present application, which provides said interfaces with matching projection and socket portions, a centring member and a coupling member, wherein the interface on the vehicle chassis side consists of a plate separate therefrom and connected thereto at at least three points, of which two are controlled by hydraulic cylinders while the third is in the form of a ball joint.
5. These features are not known from the prior art and including them in the vehicle known from D1 is not obvious. Therefore, the present application is considered to involve an inventive step (PCT Article 33(3)).
6. Claims 2 to 20 are dependent on the independent claim and thus also comply, as such, with the requirements of novelty and inventive step of the PCT.